Institute, many of which are about 40 years old.

(b) Replacement of some damaged sanitary installations only was undertaken in the year 1985-86 at a cost of about Rs. 15,000/- with some routine maintenance work done from time to time.

Unearthing of Micro-Organism by NCL for producing quality Paper

4842. SHRI N. GIRI PRASAD: Will the PRIME MINISTER be pleased to state:

(a) whether it is a fact that scientists of the National Chemical Laboratory (NCL) have unearthed from th edesert stands of Rajasthan a Mico-organism that secrets an enzyme that could help produce high quality paper; and

(b) if so, whether it is also a fact that NCL has launched a joint programme with Iowa State University in the United States and leading U. S. manufacturer for commercialisation of the enzyme?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY DEPARTMENT OF ELECTRONICS AND DEPARTMENT OF OCEAN DEVELOPMENT AND MINISTER OF STATE IN THE MINISTRY OF PARLIAMENTARY AFFAIRS (SHRI P. R. KUMARAMANGALAM): (a) Yes, Sir. The National Chemical Laboratory (NCL), Pune has developed a process for the preparation of low molecular weight xylanase from actinomycete strain chainia, obtained from the desert sands of Haldighat in Rajasthan.

(b) Yes, Sir. However, since the enzyme is expensive, the results are not very encouraging from techno-commercial angle.

The laboratory has alternatively developed another process for cellulase free xylanase which is techno-commercially feasible.

Consultancy Development Centre

4843. SHRI S. K. T. RAMACHANDRAN:

SHRI K. R. JAYADEVAPPA:

Will the PRIME MINISTER be pleased to state:

(a) whether Government are funning a Consultancy Development Centre under DSIR as an independent private Unit; and

(b) what has been the funds spent by this Unit so far indicating the returns, if any?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY DEPARTMENT OF ELECTRONICS AND DEPARTMENT OF OCEAN DEVELOPMENT AND MINISTER OF STATE IN THE MINISTRY OF PARLIAMENTARY AFFAIRS (SHRI P. R. KUMARAMANGALAM): The Consultancy Development Centre (CDC) is a Society registered in 1986 under the Society's Act with the main objective to promote the growth and strengthen Consultancy in the country;

(b) Since its inception in 1986, it has been provided a total of about Rs. 2 Crores covering Capital, recurring and programme support. The Annual allocation for the revenue expenditure of CDC for last 3 years is Rs 11.22 lakhs during 1989-90; Rs. 13.00 lakhs during 1990-91; Rs. 15.00 lakhs during 1991-92.

The returns on the training programmes organised by the Centre were recently analysed and found to be very satisfactory; Internal Rate of Return being over 25 per cent.

Research Laboratories Functioning under G. S. I. R.

4844. SHRI SUBRAMANIAN SWAMY: Will the PRIME MINISTER be pleased to state:

(a) the number of research laboratories functioning under Council of

Scientific and Industrial Research (CSIR);

(b) what is the Annual Budget allocated to these regional research laboratories;

(c) the number of prototypes developed by these regional research laboratories during the last three years; and

(d) what is the investment on research and development of these Regional Research Laboratories?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY DEPARTMENT OF ELECTRONICS AND DEPARTMENT OF OCEAN DEVELOPMENT AND MINISTER OF STATE IN THE MINISTRY OF PARLIAMENTARY AFFAIRS (SHRI P. R. KUMARAMANGALAM): (a) There are 40 laboratory-institutes including 5 Regional Research Laboratories, functioning under the aegis of CSIR.

(b) The Annual Budget of these Regional Research Laboratories for 1992-93 is given below:—

Laboratory	Budget (Rs. in lakhs)
RRL, Bhopal	201·85
RRL, Bhubaneshwar	379·77
RRL, Jammu	436·30
RRL, Jorhat	441·91
RRL, Trivandrum	274·67

(c) The 5 Regional Research Laboratories have developed prototypes or prototype pilot plants for about fifteen products during the last three years.

(d) R&D investment of these laboratories in terms of percentage of their annual budget is as below:

RRL, Bhopal	58%
RRL, Bhubaneshwar	37%
RRL, Jammu	29%
RRL, Jorhat	23%
RRL, Trivandrum	45%

Incentives to the Scientists for Cheeking Migration

4845. SHRI S. K. T. RAMACHANDRAN:

SHRI TINDIVANAM G. VENKATRAMAN:

Will the PRIME MINISTER be pleased to state:

(a) whether it is a fact that the absence of social recognition leads to increased migration of Indian Scientists to other countries; and

(b) if so, what steps are taken by Government to attract the technocrats and scientists to stay in India?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY DEPARTMENT OF ELECTRONICS AND DEPARTMENT OF OCEAN DEVELOPMENT AND MINISTER OF STATE IN THE MINISTRY OF PARLIAMENTARY AFFAIRS (SHRI P. R. KUMARAMANGALAM): (a) and (b) Some Indian scientists visit other countries for higher studies|advanced research and some of them tend to stay back Several steps have been taken from time to time by the Government to retain scientists and attract those who are located outside. Some of these are: